



STDN DAILY REPORT
FOR GMT DAYS
13,14, AND 15 AUGUST , 2001

Part I. Operations

13 AUG.

A. SN Anomalies:

1. WSC/TRMM Support

13/0234-2359Z

Spacecraft late acquisition. No RF at AOS. Approximately ten minutes into the event RF slowly became visible with station finally acquiring at 024751Z. The next event at 13/0322Z negative acquisition no RF for entire event. POCC re-scheduled the remaining events for Day 225 on the OMNI antenna VICE the HIGH GAIN antenna. TTR # 23999

Multiple SSA2F/R No Data Loss declared

2. WSC/TRMM Support

13/2118-2128Z

WSGT station power hit cause a SGLT antenna off-pointing and antenna brakes to set and servo faults. Dropouts were not seen by the POCC's and reported no data loss. TTR # 24000

TDE UARS 2113-2141Z MAR3 1 Min. 58 Sec. Svc Loss
TDE TRMM 2112-2132Z SSA2F/R 37 Sec. Svc Loss

B. ISS Anomalies - None.

C.GN Anomalies:

1. AGS/FAST Support

13/2123-2127Z

The analog MTX switch failed to make the connection between the combiner pre D output and the rest of the equipment. The operator patched around the switch and got data on line. Post pass the problem cleared while trouble shooting. Cleared out and reloaded the switch a number of times, but could not reproduce the fault. CDS ID # 19498

TOTS-1 2123-2140Z 3 Min. 36 Sec. Svc/Data Loss (Recov)

GE LATE ENTRY ANOMALIES.

1. SGS/EO-1 Support

10/1741-1756Z

VC1 files not sent to MOC via SAFS post pass. The Node did not have enough space left on disc to save the vc1 files, (vc2 and vc4 were saved ok). Therefore the files weren't automatically sent from Node to SAFS post pass.

When trying to play back the data from Metrum tape, we got a very bad result. Troubleshooting started and for some reason, it looks like wrong clock has been fed into the Mux/Demux for the Metrum. We have tried to feed the Mux/Demux with different clock rate, but so far we still have a lot of CRC errors present on the PTP desktop. CDS ID # 19484

11M 1427-1441Z and 1741-1756Z 26 Min.44 Sec. Svc/Data Loss

2. WGS/SOLAR Support

12/1009-1014Z

11 Meter receivers would not lock to downlink signal at AOS. Anomaly appears to be a problem with the reference that feeds the down converter synthesizer. CDS ID # 19487

11M 1009-1014Z 3 Min. Svc/Data Loss (Non-Recov)

D. TRMM Spacecraft went into a Sun Acquisition Mode at 13/0307Z.

E. WSGT/TILT Support

12/11616-1500Z

Delayed Entry: TILT personnel contacted WSC approximately 4 hours into the event and advised they could not 'ping' the Healy. Troubleshooting revealed the WART cross switch was in the incorrect position. TILT personnel reported no impact or data loss. Incorrect position due to a procedural error. TTR 24001.

WART 1116-1616Z 3 Hours 44 Minutes of Service Loss

A.SN Anomalies:

1. WSC/TRMM Multiple Support

14/0000-2359Z

The TRMM Spacecraft is still in Sun Acquisition Mode.
TTR # 24002

2. WSGT/XTE Support

14/1130-1148Z

XTE POCC scheduling error. POCC did not have event on their schedule but was on NCC and STGT schedule.
Service was provided by WSC. TTR 24003

TDE SSA2F/R 112951-114729Z No service loss

B. ISS Anomalies - None.

C.GN Anomalies:

1. WGS/TERRA Support

14/1453-1503Z

Antenna System Failure: Unable to track. When setting up for SRT, found 11Meter SCC unable to communicate with pedestal equipment. Completed a hard re-boot of SCC computer with no improvement and then reset systems inside pedestal with no improvement. Support

for TERRA was aborted. Troubleshooting is in progress.
CDS ID # 19488

11M 1453-1503Z 10 Min. Svc/Data Loss (Recov unknown)

15 AUG.

A. SN Anomalies - None.

1. WSC/TRMM Multiple Support 15/0000-2359Z

TRMM Spacecraft still in Sun Acquisition Mode. TTR 24004

2. STGT/TERRA Support 15/0940-0944Z

Spacecraft late acquisition due to a C1 EXEC ADPE failover (B to A) during SHO download of event. This anomaly prevented the necessary user ephemeris to be downloaded to the TT&C ADPE which placed the SA1 antenna into pending mode. To clear the anomaly, sent IPC SHRNT command to download SHO and associated vector.
TTR # 24005 DR # 43356

TDW SSA1F/R 0940-1003Z 3 Min. 30 Sec. Svc/Data Loss (Recov)

3. STGT/ERBS Support 15/1611-1614Z

POCC reported accumulative data hits totaling 300 bytes on the Q-channel. No WSC anomalies were seen but it was noted that there was a high error count on the Q-channel during the anomaly period (227/16:11:58 – 16:13:41). TTR 24006.

TDS MAF/R 1555-1625Z 30 Sec. Svc/Data Loss (Recov)

B. ISS Anomalies - None.

C. GN Anomalies - None.

Part II. Testing Anomalies

A. SN Test:

1. WSC EIT TDRS Checkout 13/1630-13/1845Z WSGT, NCC,
NISN, FDF

OBJECTIVES:

A. Verify capability of the EIT system to transmit and process 128 KBPS forward and return link data over the WSGT TDI and NI router.

B. Verify switch paths for the TDI at the WSGT router.

C. Validate the WSGT TDI configuration.

RESULTS: OBJECTIVE PARTIALLY MET

REMARKS:

WSGT engineers verified the cabling for the switch and router. A pin-out difference was discovered at the TDI interface and it was noted that the SD and TT indicators extinguished at the router with the new cabling installed. WSGT engineers removed the switch and found TT and ST were swapped on the connector. Corrected the pin configuration to the TDI. The test will be rescheduled at a later date.

2. NOAA WSC Cmd D/F 14/1900-14/2100Z NCC,STGT,
NASCOM,
SUITLAND SOCC

OBJECTIVES:

Verify command data flow from Suitland SOCC to WSC via NASCOM.

RESULTS: OBJECTIVE NOT MET

REMARKS:

The test objective was not met due to a suspected

Communications Controller problem at Suitland SOCC.
The test will be rescheduled at a later date.

A.GN Test - None.

Part III. Equipment Status Changes:

1. WSG 11 METER Antenna Red. Troubleshooting in progress.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities:

TILT US COAST GUARD Expedition 9/16 228/1100-1600Z

TRMM ORBIT RAISING will not take place until Monday

Part V. Forecast Changes:

1.) H3332LS (ATLAS/MLV-10) 237 25 AUG. 2001 T-0=1834Z
2.) H4343LS (TAURUS/ORBVIEW-4 INDEFINITE
QUICKTOMS)
3.) H3332LS (ATLAS/MLV-12) 269 26 SEP. 2001 T-0=0800Z
4.) H3334LS (TITAN II/DMSP) 318 14 NOV. 2001 T-0=1358Z